NATURAL SCIENCES & TECHNOLOGY

GRADE 6 TERM 3

Tracker

Week 1											
CAPS Concepts and Activities	CAPS Page no.	Year:					Year:				
		Class					Class				
		Date Completed					Date Completed				
Week 1 Lesson A											
Topic: Electric circuits **Content & Concepts: A simple circuit** • An electric circuit is a system for transferring energy	57										
Week 1 Lesson B											
Topic: Electric circuits **Content & Concepts: A simple circuit** • A simple circuit always has the following components: o a source of energy (such as a cell/battery) o conducting material (such as wires) o devices (such as a light bulb, buzzers, motors) for changing electricity into a useful output energy	57										
Week 1 Lesson C											
Topic: Electric circuits **Content & Concepts: A simple circuit** • A circuit is a complete, unbroken pathway for electricity • A switch can be added to break or complete the circuit **Content & Concepts: Circuit diagrams** • Symbols are used when drawing circuit diagrams	57										

Reflection		
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Think about and make a note of: What went well? What did not go well? What did the learners find difficult or easy to understand or do? What will you do to support or extend learners? Did you cover all the work set for the week? If not, how will you get back on track?	What will you change next time? Why?	
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Week 3												
CAPS Concepts and Activities	CAPS Page no.	Year:					Year:					
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Week 3 Lesson A												
Topic: Electrical conductors and insulators **Content & Concepts: Conductors** • Some materials conduct electricity and are called conductors ○ Most metals, especially copper, conduct electricity	58											
Week 3 Lesson B												
Topic: Electrical conductors and insulators **Content & Concepts: Conductors** • Some materials conduct electricity and are called conductors ○ Most metals, especially copper, conduct electricity	58											
Week 3 Lesson C												
Topic: Electrical conductors and insulators **Content & Concepts: Insulators** • Some materials do not conduct electricity and are called insulators ○ Most non-metals, such as plastics, do not conduct electricity	58											

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Week 4 Lesson C												
Topic: Systems to solve problems **Content & Concepts: Using electric circuits** • Electric circuits are often used to solve problems that require energy, such as street lighting, alarms, electric gates, traffic lights, fans and heaters • Electric circuits can also be used in models and toys	58											

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Week 6 Lesson C												
Topic: Mains electricity **Content & Concepts: Fossil fuels and electricity** • Fossil fuels were formed in the Earth's crust millions of years ago from dead plants and animals	59											

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Week 7 Lesson A												
Topic: Mains electricity **Content & Concepts: Fossil fuels and electricity** • Coal, oil and natural gas are fossil fuels • In South Africa coal is mostly used as a fuel in power stations	59											
Week 7 Lesson B												
Topic: Mains electricity **Content & Concepts: Fossil fuels and electricity** • Coal was formed from fossilised plants which got their energy from the Sun originally	59											
Week 7 Lesson C												
Topic: Mains electricity **Content & Concepts: Fossil fuels and electricity** • In a power station coal is used to boil water, the steam turns a turbine which turns a generator, which produces electricity	59											

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Week 8 Lesson A											
Topic: Mains electricity **Content & Concepts: Fossil fuels and electricity** • Fossil fuels are non-renewable resources	59										
Week 8 Lesson B											
Topic: Mains electricity **Content & Concepts: Cost of electricity** • Electricity is costly because: o it requires infrastructure including coal mines, transport, power stations, pylons, substations, wiring o some electrical appliances require more electricity than others (heating appliances use the most)	59										
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Week 9 Lesson A											
Topic: Mains electricity **Content & Concepts: Illegal connections** • Illegal electrical connections are a danger to people as they are often unsafe	59										
Week 9 Lesson B											
Topic: Mains electricity **Content & Concepts: Renewable ways to generate electricity** • People are looking for renewable ways to generate electricity	59										
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Revision	57-59										

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